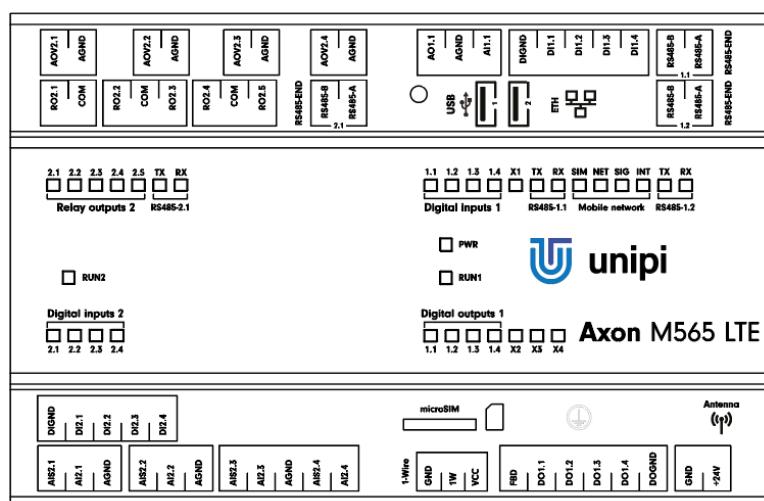


# Unipi Axon M565 LTE

## PRODUCT DESCRIPTION

Unipi Axon M565 is a programmable logic controller (PLC) designed for automation, control, regulation and monitoring. The M565 is an intermediate model of the Axon 500 line focused on a higher number of analog I/O, but also features a sufficient number of all inputs/outputs available on Unipi products (digital, relay). That makes it suitable for complex projects including measurements and control of analog components. A special feature of the controller is an LTE functionality for a high-speed wireless connection to the internet including sending/receiving SMS messages. The M565 also features three RS485 serial interfaces for connection of extension modules or gateways and a 1-Wire interface for connection of digital temperature or humidity sensors.



## COMPUTING MODULE

Allwinner H5 1.2 GHz quad-core CPU, 1GB RAM, 8GB eMMC onboard memory

## FEATURES

### Inputs/outputs

- 8 × digital input incl. counter
- 4 × digital output
- 5 × relay output
- 5 × analog input
- 5 × analog output

### Software

- Powered by OS Linux
- Mervis – IDE (IEC 61131-3), HMI editor, proxy server, cloud database, SCADA, wide range of supported protocols
- Open-source solutions – Node-RED, openHAB, Homebridge, FHEM, PiDome, DomoticGa, Domoticz, Pimatic and many more
- Custom SW implementation– EVOK open API, Modbus TCP interface, SysFS

## FUNCTIONALITY

Automation, IoT and IIoT, remote online monitoring and regulation, HVAC control, SCADA, sensorics, smart home control (lighting, doors, locks, irrigation etc.)

### Communication interfaces

- 3 × RS485
- 1 × 1-Wire bus
- 1 × 1Gbit Ethernet
- 2 × USB 2.0
- 1 × LTE interface

### Other features

- Built-in webserver
- Special functions – Direct Switch, MasterWatchdog, user LEDs
- Durable aluminium chassis (IP20)
- Extended operating temperature range
- Available in an OEM variant
- Custom development available (IQRF, LoRa, wM-Bus, ZigBee, EnOcean and more)

